

## Printer and Network Connectors

- Printer Connector
  - 1 x Centronics (IEEE1284A, 25 pin Centronics Connector, 1284.4 compatible)
  - 1 x USB 2.0 HS (Type A Connector, USB 2.0 compatible, expandable to 4 ports)
- Network Connection (logical)
  - IEEE 802.3f (PoE)
- Network Connection (physical)
  - RJ45 (STP Cat.5)

## Configuration and Management

- InterCon-NetTool
  - MS Windows (XP, 2003 Server, 2008 Server, Vista, Windows 7)
  - Microsoft Windows (95, 98, Me, NT 4.x, 2000, XP, Server 2003, Vista)
  - Linux (RPM based installation)
  - Macintosh (MAC OS 10.x)
- Printer Wizard (Printer Installation Assistant)
  - Microsoft Windows (95, 98, Me, NT 4.x, 2000, XP, Server 2003, Vista)
- SEH UTN Manager
  - Microsoft Windows (XP, Vista, Windows7)
- Internal Printserver WEB (Monitoring, Configuration, Administration, Firmware Update)
  - Minimum Browser Requirement: Frame compatible
- HP Tools (Compatibility / Support)
  - HP WebJetAdmin
  - HP JetAdmin
  - HP Install Network Printer Wizard
- EPSON Tools (Compatibility / Support)
  - EpsonNet WinAssist
  - EpsonNet MacAssist
  - EpsonNet WebAssist
  - EpsonNet WebManager
  - EpsonNet DirectPrint (LPR)
  - EpsonNet InternetPrint (IPP)
- Kyocera Tools (Compatibility / Support)
  - KPM
- FTP
- SNMP
  - SNMP-MIB II compatible, SEH private enterprise MIB
- Apple virtual printer
- Bonjour

## Supported Operating Systems

- Microsoft Windows
  - 95
  - 98
  - Me
  - NT 3.x
  - NT 4.x
  - XP
  - 2003 Server
  - 2008 Server
  - Vista
  - Windows 7
- Apple Macintosh
  - Mac OS 7.x



MAC OS 8.x

MAC OS 9.x

MAC OS 10.x

- Novell NetWare
  - NetWare 3.x
  - NetWare 4.x
  - NetWare 5.x
  - NetWare 6.x
- Systems with TCP/IP Support
  - Linux Systems
  - System V Systems (SCO, SunOS 5, IBM AIX, HP-UX, Reliant UNIX 5.x, ...)
  - BSD Systems (BSD 4.x, SunOS4, ...)
  - IBM Systems (OS390/400, ...)

## Supported Protocols

- TCP/IP
  - IPSec, DHCP, BootP, ARP, IPv4, IPv6, IPv6 / TCP, IPv6 / ICMP, IPv6 / FTP, IPv6 / FTPs, IPv6 / TFTP, IPv6 / SSL, TLS, TCP, IPv6 / Raw TCP, UDP, ICMP, IGMP, FTP, FTPs, TFTP, LPD, HTTP, HTTPs, ZeroConf, DNS, SLP, SNMPv1, SNMP, SMTP, POP3, SSL/TLS, IPPv1.0, IPPv1.1, Raw TCP, Apple Bonjour
- AppleTalk (EtherTalk/TokenTalk)
  - AARP, RTMP, ADSP, ATP, NBP, ZIP, ATSP, PAP, DDP, BCP1, BCP2, TBCP
- NetWare
  - IPX, SPX, SPX2, SAP, SNAP, NCP, NCP Burst Mode, NDS, NDPS, PureIP, RIP, Bindery, R/N Printer
- Windows
  - SMB/CIFS (NetBIOS over TCP/IP), WINS

## Printing Protocols and Methods

- Socketprinting / Raw TCP
- LPR/LPD printing
- IPP v1.1 printing
- AppleTalk printing
- HTTP printing (encrypted and un-encrypted)
- HTTP printing (beyond Proxy Server / Internet printing)
- ThinPrint printing
  - ThinPrint SSL printing
- FTP printing
- NetBIOS printing
- Novell iPrint (LPR and IPP)

- NDPS printing (IP/IPX)
- Bindery printing
- R/N printing
- POP3 printing
- Bonjour printing service
- KonicaMinolta GDI

## Security

- IPSec
- SSL 3.0
- TLS 1.0
- HTTPs
- 802.1X
  - EAP- MD5 Authentication
  - EAP- TLS Authentication
  - EAP- TTLS Authentication
  - EAP- FAST Authentication
  - EAP- PEAP Authentication
  - Cisco EAP (LEAP) Authentication
- IPsender protection ("user access list")
- Access control
- Certificate Management
  - Self signed Certificate
  - Certificate request
  - Root Certificate
- Password Protection
- NetWare Packet Signature Level 1,2,3

## Supported Languages

- English
- German
- French
- Spanish
- Italian
- Portuguese
- Japanese
- Korean
- Chinese (traditional)
- Chinese (simplified)

## Technical Data

- Printer Connector
  - 1 x Centronics (IEEE1284A, 25 pin Centronics Connector, 1284.4 compatible)
  - 1 x USB 2.0 HS (Type A Connector, USB 2.0 compatible, expandable to 4 ports)
- Network Connection (logical)
  - IEEE802.3f (PoE)
- Network Connection (physical)
  - RJ45 (STP Cat.5)
- Tests (Notifications)
  - CE: EN55022 Class A, EN55024
  - FCC Class A
  - C-Tick
  - WEEE
  - RoHS

- Operating Environment
  - Ambient temperature 5 - 40 °C
  - Relative humidity: 20 - 80 %
  - Indoor use only
- Hardware
  - 4MB Flash
  - 16MB RAM
  - MIPS based RISC Processor / 170 Mhz
- Power Supply
  - PoE (Power over Ethernet)
  - max. 2500mA @ 12V DC
  - max. 1650mA @ 12V DC
- Dimensions (Depth, Width, Height)
  - 117 x 70 x 151 mm
  - 215 x 155 x 45 mm
- Weight
  - 370 g
  - 1,050 g

## Package

- PS34- PoE Print Server
- Installation Manual
- Software Quick Reference
- Product CD

## Order Numbers

- M04175 (Euro)
- M04156 (US)
- M04176 (US)